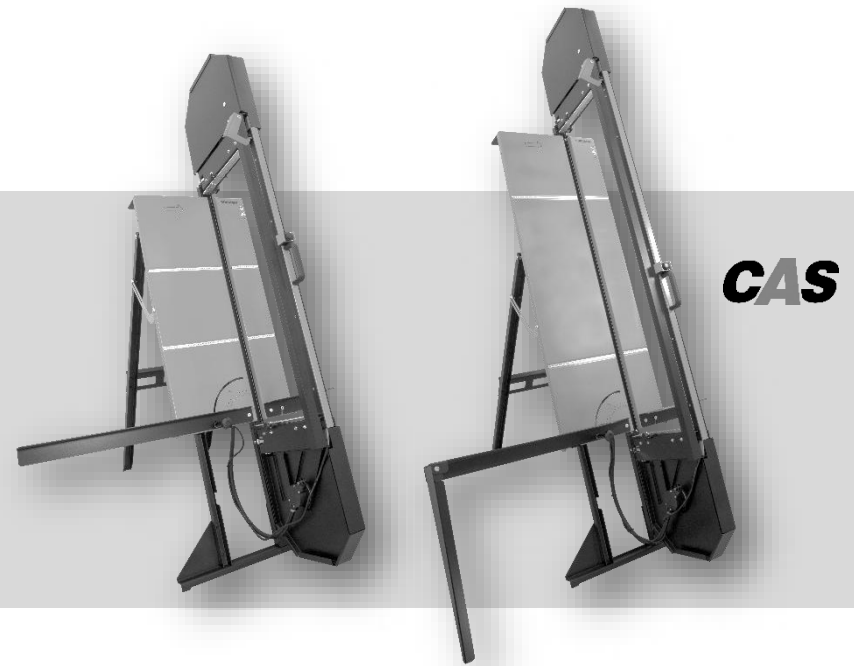


Tigris 850 CX

Art.-Nr. 53000

Tigris 1250 CX

Art.-Nr. 54000



- 1) Rokamat Tigris 850 CX (25TICX850073)
Rokamat Tigris 1250 CX (25TICX1250004)
- 2) 2014/30/EU, 2006/42/EG, 2012/19/EU, 2011/65/EU,
EG No. 1907/2006, EU 2023/988
- 3) EN 62841-1:2015 + AC:2015 + A11:2022, EN ISO 12100:2010
- 4) Kammerer GmbH, An der B 10, 75196 Remchingen

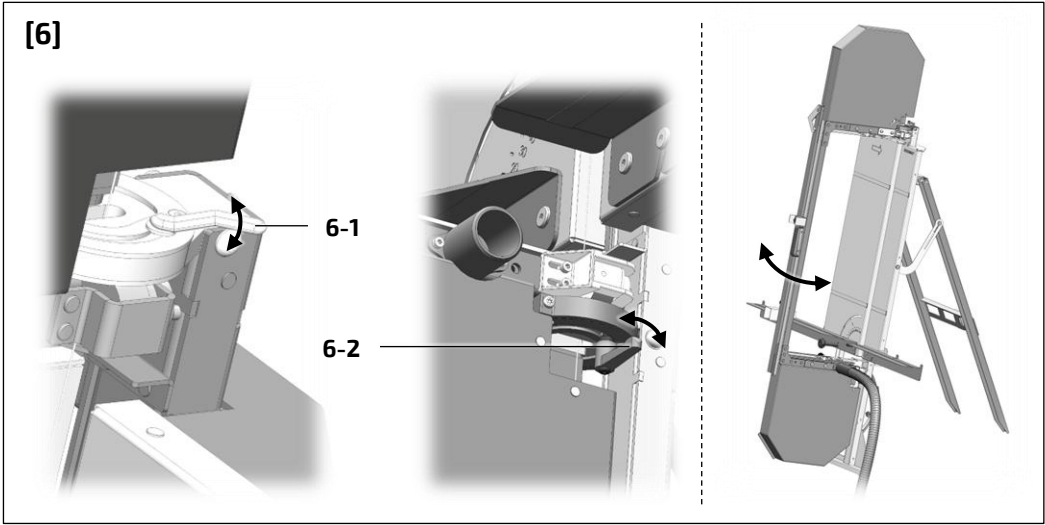
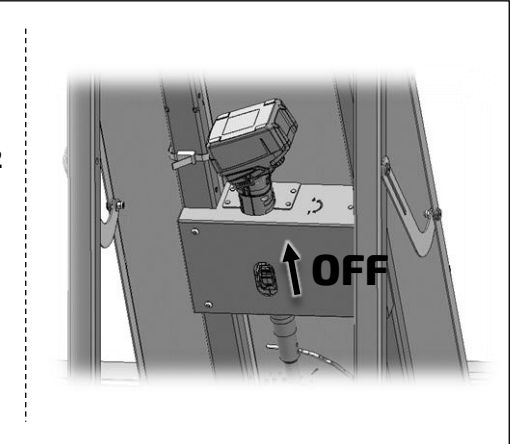
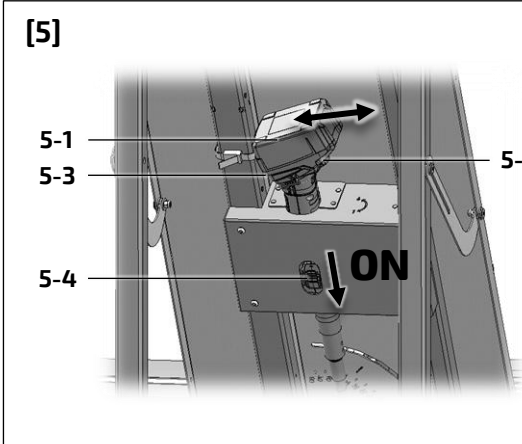
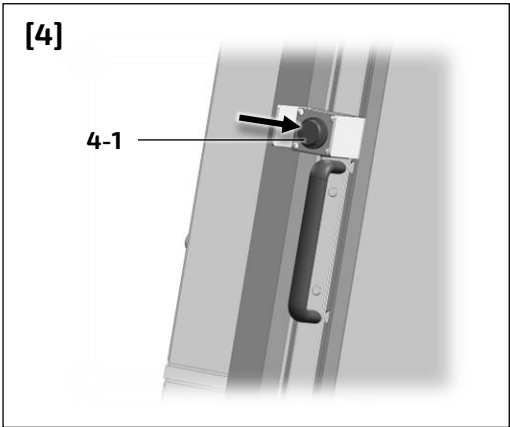
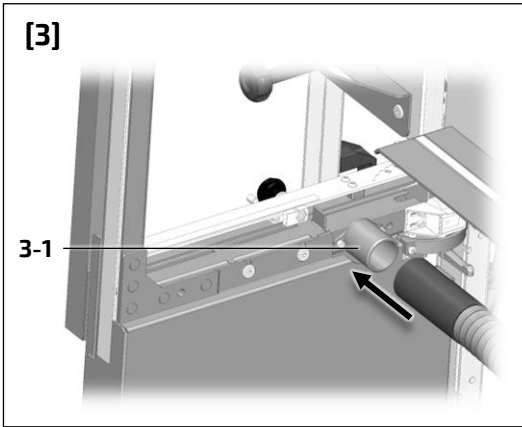
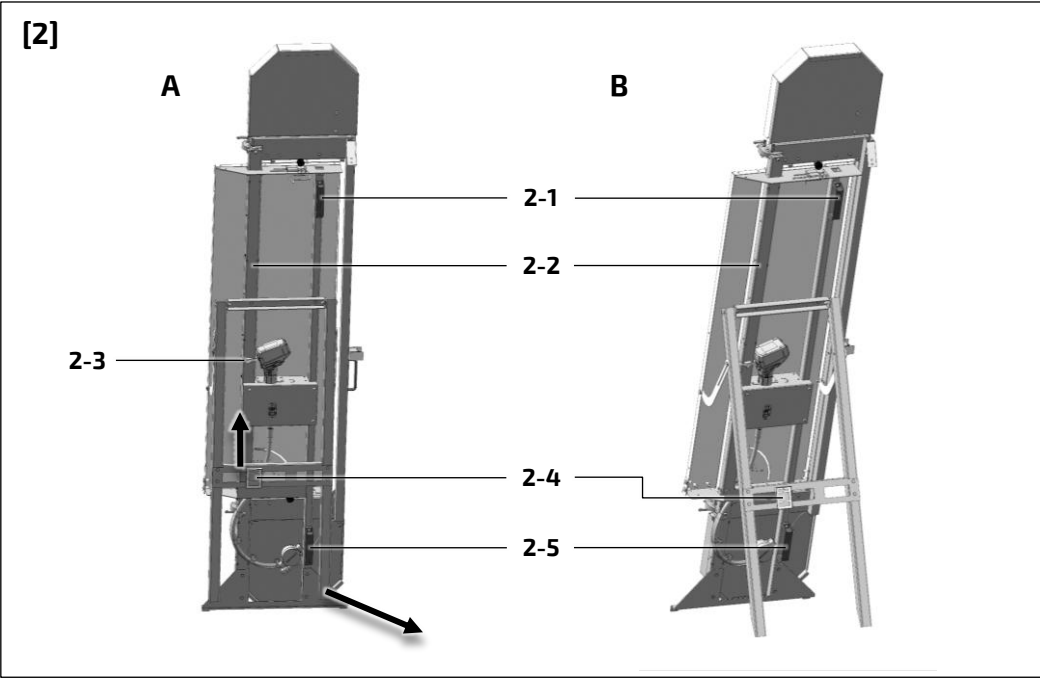
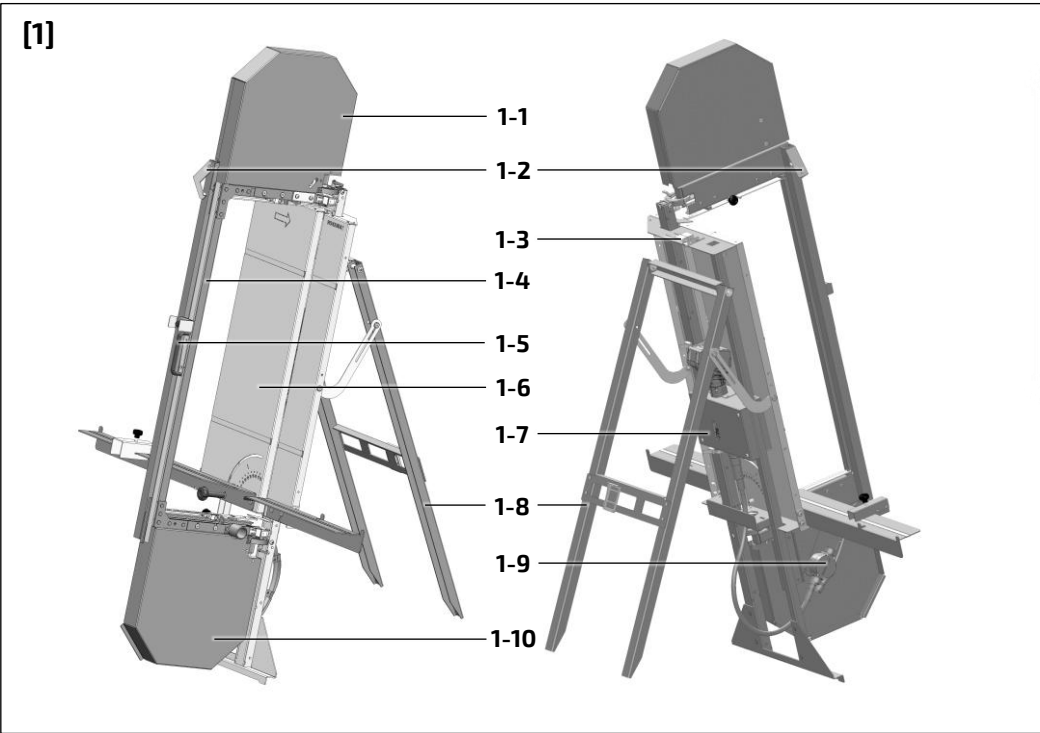
Remchingen, 10.07.2025

Beate Kammerer
Head of Technical Documentation

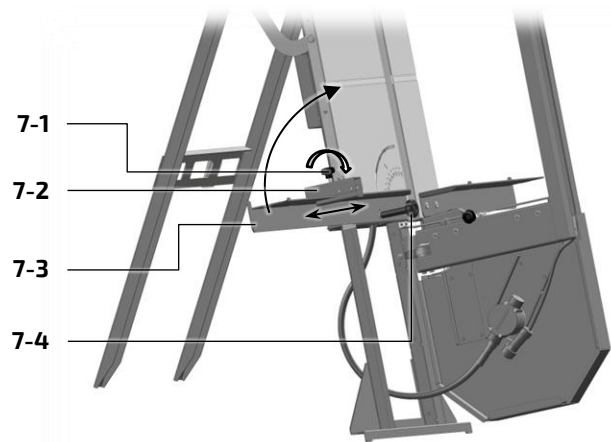
ROKAMAT

Kammerer GmbH
An der B 10
75196 Remchingen
Deutschland

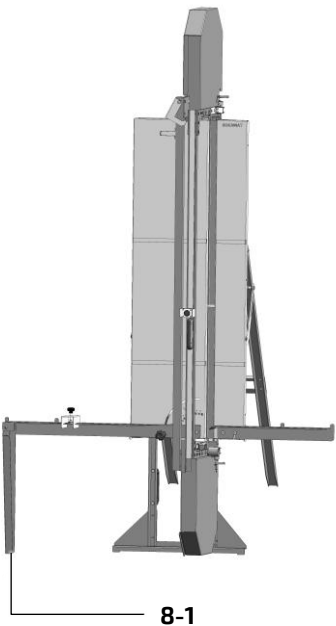




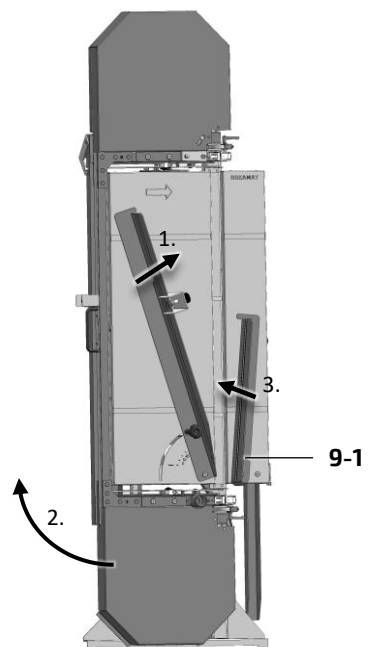
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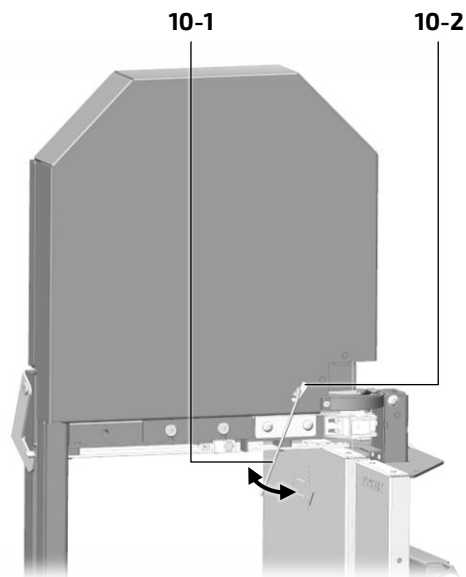
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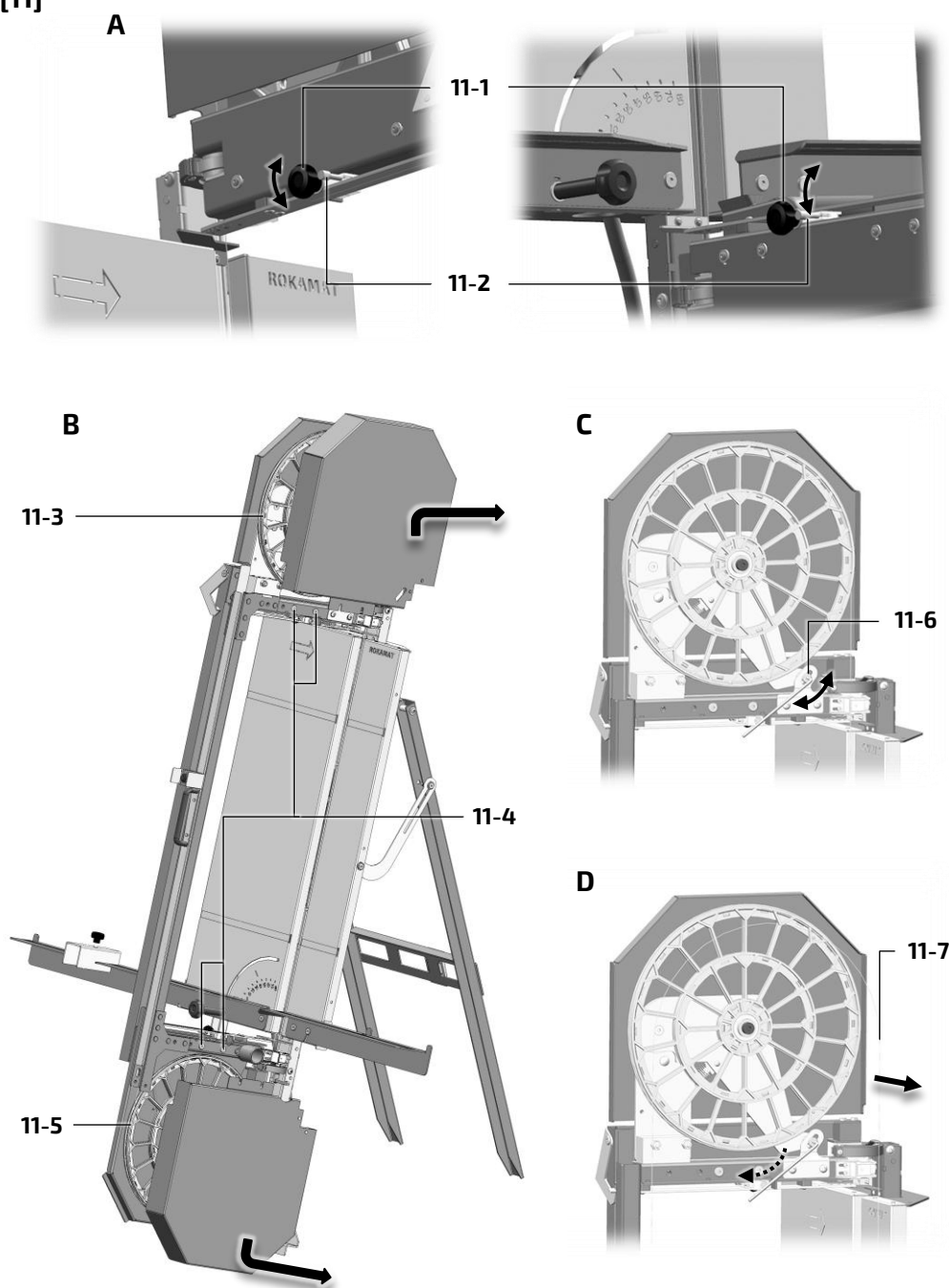
[9]



[10]



[11]



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1. Symbols



WARNING! Denotes impending danger. Non-observance of this warning may result in death or extremely severe injuries. *)



CAUTION! Denotes a possibly dangerous situation. Non-observance of this warning may result in slight injury or damage to property. *)



Risk of electric shock!



Warning of hand injuries! *)



Read operating instructions and safety notices! *)



Wear protective goggles! *)



Wear ear protection!



Wear a dust mask! *)



Never lift the machine by the hoods! *)



The insulation material must only ever be pushed through from left to right! *)



CAS Li-Ion battery pack



Removing battery pack!



Do not dispose of as domestic waste! *)



Important advice/information

d.c. Direct Current (DC) *)



Speed settings *)

1, 2, 3 ... Thumbwheel settings (Speed settings. Higher number means greater speed) *)



Confirms the conformity of the power tool with the directives of the European Community. *)

*) These symbols are (also) on the device.

2. Safety Instructions

For your safety



WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.



Do not use this power tool before you have thoroughly read and completely understood this Instruction Manual, the enclosed "General Safety Instructions", instructions for battery packs and chargers.

The documents mentioned should be enclosed with the power tool, should it be passed on or sold.

Please also observe the relevant national industrial safety regulations.

Safety instructions for wire saws

Before operating the wire saw, check that it is stable and that all machine parts are assembled correctly (e.g., the support foot of the support angle), especially all protective devices. Also check that the saw wire and impellers are in good condition and that the saw wire is sufficiently tensioned.

Observe national regulations for processing insulation materials and the safety data sheets of the materials to be processed (e.g., wear gloves when handling certain insulation materials).

Do not reach into the area of the saw wire when the tool is switched on. This could result in injuries, e.g., to the hand.

The wire saw may only be operated by one person! No one may stay in the immediate working area!

Only use suitable materials as described in the intended use (chapter 3). Do not process any carcinogenic insulation materials.

Only make the saw cuts using the handle provided for this purpose and at the same time secure the workpiece (insulation material) by hand.

Do not use liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

Only use original Rokamat saw wire. Foreign materials are not suitable for the saw wire speed and applications of the wire saw.

Additional safety instructions

Particles generated when working with this machine can be harmful to health. This dust must not be allowed to enter your body. Do the following to reduce exposure to these substances:

- Ensure good ventilation of the workplace.
- Wear suitable protective equipment, such as an FFP-2 protective mask.
- Wear safety goggles to protect against sanding hazards.
- Connect the electric power tool to a suitable extraction system with dust class M.
- Sweeping or blowing stirs up dust.
- Vacuum or wash the protective clothing. Do not blow, beat or brush.

Collect the generated particles at the source, avoid deposits in the surrounding area.

Always use an antistatic suction hose with the power tool. A slight electric shock may cause you to panic briefly and become distracted, which may result in an accident.

Emission levels

NOTE! Values for the A-weighted sound pressure level and for the total vibration values can be found in the "Technical specifications" table at chapter 11.

These values have been measured in accordance with a standardised test and may be used to compare one tool with another. They may also be used for a preliminary assessment of exposure.

WARNING! The indicated measurements refer to new power tools represent the main applications of the tool. However, if the tool is used for different applications, with different accessories or poorly maintained, the vibration and noise emissions during actual use of the power tool may differ from the declared values (significantly increased over the total working period).



CAUTION! During operation the noise level can exceed 85 dB(A).

Wear ear protection!

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organization of work patterns. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is switched on but running without load. This may significantly reduce the exposure level over the total working period.

Environmental conditions for machine, battery and charger

Operation

Temperature range: 0 °C to +50 °C

Humidity: ≤ 85 %, non-condensing

Climate: dry

Transport and storage

Temperature range tool: -5°C to +55°C

Temperature range battery: +10 °C and +30 °C

Humidity: 0 % to 70 %

Climate: dry, roofed, dew protected

3. Intended Use

The portable cordless wire saws **Rokamat Tigris 850 CX** and **Tigris 1250 CX** are intended exclusively for cutting insulation materials and plaster-board at angles of 30°-90°. Insulation materials up to a maximum thickness (cutting depth) of 340 mm, a width (cutting length) of max. 850 mm (Tigris 850 CX) or 1250 mm (Tigris 1250 CX) and a density of max. 650 kg/m³ can be cut using only the Rokamat special saw wire.

The transportable wire saw must be set up on a level and solid surface and may only be operated with an external dust extraction device. The Tigris CX may only be operated by a single person; no other persons are permitted in the work area.

Only sufficiently qualified and trained personnel may carry out activities with the Tigris CX. Every user must observe the operating instructions, the safety instructions and the regional accident prevention regulations.

The intended use includes the observance of the operating instructions, in particular the safety instructions and the observance of generally recognized accident prevention regulations.

Any use other than the intended use described above is considered misuse. The manufacturer

accepts no liability or warranty for misuse of the machine.

4. Geräteelemente

The specified illustrations can be found in Fig. [1] on page 2 of the operating manual.

- 1-1 Hood, top
- 1-2 Locking device for cutting bow
- 1-3 Holder Allen key set
- 1-4 Cutting bow
- 1-5 Handle
- 1-6 Support plate
- 1-7 Motor housing
- 1-8 Folding foot
- 1-9 Mitre-gear
- 1-10 Hood, bottom

5. Commissioning



WARNING!

Possible damage to the wire saw!

Never lift by the hoods when setting up the machine! Always lift and transport the machine in pairs using the carrying handles [2-1] and [2-5].

Before switching on the power tool: Unpack power tool and accessories and check that no parts are missing or damaged.

Do not use this power tool until you have thoroughly read and completely understood the additional the separate operating instructions for battery packs and chargers.

Setting up the wire saw [2]



CAUTION!

Risk of injury! Danger of tipping!

The portable wire saw must be set up on a *level* and *firm* surface. The folding foot [1-8] must completely engage to avoid risk of tipping.

When sawing large and/or heavy insulation materials (e.g. wood fiber), ensure that the (optionally available) support foot [8-1] is fully folded out and securely positioned.

Freestanding



CAUTION!

Risk of injury!

When returning the folding foot [1-8] to its original position, be careful not to pinch your hands between the guide plate and the folding foot [1-8].

- A** Slide the locking [2-4] on the rear of the wire saw upwards.
- B** Fold out the folding foot [1-8] completely.

Assembly on the scaffolding (only Tigris 850 CX)



WARNING!

Risk of injury!

When mounting on scaffolding, the sliding switch [5-3] of the wire saw must be accessible at all times.

The *Tigris 850 CX* can also be mounted on a scaffolding. To do this, place the unit at a slight angle on the scaffolding (leave the stand and anti-tip guard in the starting position - as in Fig. [2 A]). Then lash the main carrier [2-1] to the rear of the frame using the two lashing straps [2-3] supplied. Check that it is securely held!

Once the Tigris CX has been set up securely, the next step is to unfold the right-hand support bracket so that the cutting bow can be positioned at 0°. Finally, fold out the left-hand support bracket.

Support stand (optional) [8-1]

The *Tigris 1250 CX* and the add-on package "Wood fiber insulation" for the *Tigris 850 CX* (item no. 53700) also include a variable support stand [8-1] for the large support bracket, especially for the use of heavier insulation boards.

If the left support bracket is set to 0°, the support stand [8-1] must be folded out for stabilization so that it touches the floor and thus supports the support bracket.

Connecting the dust extraction system [3]

Push the suction hose onto the intake socket [3-1]. Check for correct fit! If necessary, use a suitable adapter. See also chapter 6: "Dust extraction".

Installing or removing battery pack [5]

To insert: Slide the battery pack [5-1] in until it engages.

To remove: Press the battery pack release button [5-3] and pull the battery pack [5-1] out.

Switching the Tigris CX on and off [5]

Switching on: Insert the charged battery pack [5-1]. Set the sliding switch [5-4] on the housing to I.

Switching off: Set the sliding switch [5-4] on the housing to 0.

6. Instructions for Use



WARNING!

Risk of injury, electric shock!

Only use CAS-compatible chargers / batteries with a rated voltage of 18 V DC!

Risk of injury!

Only operate with the protective device (protective hoods [1-1] and [1-10]) fully assembled!

Charging the battery

See separate operating instructions for battery packs and chargers.

Starting the wire saw [4]

Switching the electric power tool on (see "Switching the *Tigris CX* on and off" in chapter 5). To start the wire saw (cutting), keep button [4-1] on handle [1-5] pressed - the saw wire starts moving.

Release the button [4-1] again to stop the saw wire.

Sawing insulating material



CAUTION!

An accessory set (item no. 53700 or 53702) is required for sawing *wood fiber*.

Before the saw wire can be inserted into the workpiece, it must have reached the *full* previously set speed.

Place the insulation material on the support plate [1-6] and the support bracket and make all necessary adjustments. Activate the wire saw (see "Starting the wire saw").

Vertical cuts

Move the cutting bow [1-4] toward the material by *gently* pressing down the handle [1-5].

Horizontal cuts



CAUTION!

Possible damage to the wire saw!

Horizontal cuts are only possible from a *minimum height of 50 mm*. The insulation material must only ever be pushed through *from left to right*!

Fix the cutting bow [1-4] (see "Length stop"). Push the insulation material *from left to right* to cut it horizontally.

Adjusting the cutting angle

Mitre cuts [6]: Loosen the quick release top [6-1] and bottom [6-2], adjust the cutting bow [1-4] to the desired angle (see mitre indicator), fix the quick release [6-1] and [6-2] again.

Bevel cuts [7]: To move the left support angle [7-3], loosen the star grip screw [7-4]. Set the desired angle using the scale on the support plate [1-6] and tighten the star grip screw [7-4] again.

Length stop [7]

When repeating cuts, the stop [7-2] can be used to set the desired dimension on the support bracket.

To do this, loosen the star screw [7-1], move the stop [7-2] to the desired position and retighten the star screw [7-1].

Height stop [11-A]

Move out the cutting bow [1-4]. Loosen the star grip screw [11-1] at the top and bottom and slide the depth limit to the desired dimension (see scale on the cutting bow). Then retighten the star grip screws [11-1]. Now move the cutting bow [1-4] to the height stop and engage the fixing bolt [11-2] at the top and bottom to the right.

Locking device for cutting bow

The locking device [1-2] holds the cutting bow [1-4] in the extended position. This makes it easier to place larger insulation boards on the wire saw. To do this, fully extend the cutting bow, press the locking device to the right and only release it again when the cutting bow is retracted as far as the stop.

The locking device [1-2] retracts automatically as soon as the cutting bow [1-4] is lifted slightly.

Adjusting the speed [5]



ADVICE!

For best results, your speed setting should be at level 4.

Set the recommended speed using the thumbwheel [5-2]. The thumbwheel [5-2] is numbered "1" through "6". The setting "1" is the slowest speed and "6" is the fastest speed.

Dust extraction



WARNING!

Health hazard posed by dust!

A class M dust extractor must be connected when using the wire saw. Wear a protective mask. Observe national regulations.

The dust extraction system offered on our website is adapted to the quantity of dust generated and permanently ensure the necessary suction power.

After work



CAUTION!

Possible damage to the battery pack!

Always switch the device off after use (see "Switching the Tigris CX on and off") to avoid deep discharge of the battery.

7. Maintenance and Care



WARNING!

Risk of injury, electric shock!

Always be sure that the tool is switched off and the battery pack is removed before performing maintenance work on the machine!

Repairs may be carried out by an authorized customer service center only.

Regularly check the saw wheels to avoid danger and have them replaced by an authorized service workshop if they are damaged.

The power tool, especially the controls and inner lining of the saw wheels, should be cleaned regularly, often and thoroughly through all air vents using a vacuum cleaner or by blowing in dry air. Prior to this operation, separate the power tool from the power source and wear protective glasses and dust mask.

Transport [7 + 9]



WARNING!

Risk of injury!

Possible damage to the wire saw!

Always lift and transport the machine in pairs using the carrying handles [2-1] and [2-5]. *Never lift by the hoods!*

Remove the battery pack from the machine when transporting.

Transport and store the power tool only in the carrying case/wooden box. Do not store the power tool and accessories in the case/wooden box when wet!

To prepare the wire saw for transport, set the left support bracket [7-3] to 80° and the cutting bow [1-4] to 0° (Fold in and screw tight). Then fold up the right support bracket [9-1]. At the end fold in the folding foot [1-8] and slide the locking [2-4] downwards.

Always lift and transport the machine in pairs using the carrying handles [2-1 and 2-5]. *Never lift by the hoods [1-1] and [1-10]!*

Tensioning the saw wire [10]

As soon as the tension on the saw wire is decreased, perform the following steps:

- A Insert the enclosed Allen wrench [10-1] into the opening [10-2] of the top cover [1-1] and turn the clamping screw inside *counterclockwise*. This allows the spring to tension the saw wire again.
- B Then tighten the clamping screw *clockwise* again.

The optimum tension is achieved when the saw wire can be moved 25 mm forwards and backwards without effort.

Changing the saw wire [11]



WARNING!

Only use the original Rokamat saw wire!

Ensuring the function of the appliance!

A damaged or worn saw wire must not be used.

Risk of hand injuries! Never loosen the saw wire by hand – use the Allen wrench provided. When inserting a new saw wire [11-7], always hold it so that your fingers cannot get between the wire [11-7] and the saw wheels [11-3] + [11-5].

- A Lock the cutting bow [1-4] using the star grip screws [11-1] between a height of 60-100 mm.
- B Loosen the screws [11-4] of the top and bottom hoods [1-1] and [1-9] (without removing them) and remove the covers upwards or respectively downwards.
- C Use the enclosed Allen wrench to loosen the clamping screw [11-6]. Pull the upper saw wheel down to relax the wheel suspension (and thus the wire rope). Tighten the clamping screw again in this position.
- D Use the enclosed Allen wrench, *not your fingers*, to pull the (worn) saw wire [11-7] off the upper saw wheel [11-3] and then remove it.

Insert the *new* saw wire [11-7] into the groove of the upper saw wheel [11-3]. Then put it onto the lower saw wheel [11-5]. When doing so, hold the saw wire [11-7] in such a way that your fingers cannot get caught between the saw wire [11-7] and the lower saw wheel [11-5]. Ensure that the saw wire [11-7] is inserted correctly in all guides. Tension the saw wire [11-7] (see "Tensioning the saw wire") and then attach the hoods [1-1] + [1-10] in reverse order to the previous procedure.



ADVICE!

Check all wearing parts once a month.

8. Spare Parts and Accessories

Other accessories, in particular insertion tools, can be found in the manufacturer's catalogues. Exploded drawings and spare-part lists can be found on our homepage: www.rokamat.com.

Only use original Rokamat spare parts (e.g., saw wire)!

Use only original CAS (Cordless Alliance System) battery packs and chargers!

- Battery packs: CAS order no. 625028000 5.2 Ah (Li-Power) etc.
- Chargers: ASC 55, ASC 145 etc.



ADVICE!

Please ask your dealer about disposal options!

9. Environmental Protection

The generated sawing dust may contain harmful substances. Dispose appropriately.

Observe national regulations on environmentally compatible disposal and on the recycling of disused machines, packaging and accessories.



Li-Ion

For Great Britain and EU countries: Do not dispose of electric equipment or battery pack together with household waste material! In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

10. Declaration of Conformity

It is expressly declared that the cordless wire saws listed on the first page under 1) from the indicated serial no. comply with all relevant provisions 2) and that the harmonized standards listed in 3) have been applied. The technical documentation is available from the authorized documentation agent named in 4).

11. Technical Specifications

Cordless wire saw	Tigris 850 CX Item no. 53000	Tigris 1250 CX Item no. 54000
Rated voltage	18 V DC	
Maximum saw wire speed	37 m/s	
Total weight	26,0 kg	31,0 kg
Space requirement	ca. 1,3 m ²	
Max. cutting length	850 mm	1250 mm
Max. board thickness	340 mm	
Max. board length	1500 mm	
Dimension compact (LxWxH)	approx. 200x560x1850 mm	approx. 200x560x2250 mm
Dimension set up (LxWxH)	approx. 1100x1200x1850 mm	approx. 1100x1200x2250 mm
A-weighted sound pressure level (see cap. 2 "Emission levels"):		
Sound pressure level L _{pA}	92 dB(A)	
Sound power level L _{WA}	104 dB(A)	
Uncertainty K _{pA} , K _{WA}	3,0 dB	
Total vibration value (see cap. 2 "Emission levels"):		
Emission value a _h	< 2,5 m/s ²	
Uncertainty K	1,5 m/s ²	

12. Troubleshooting

Problem	Possible causes	Remedy
Motor runs, but the saw wire does not turn.	Shaft core broken.	Exchange shaft core.
	Mitre gear is defective.	Replace mitre gear.
<i>Tigris CX</i> not working.	Battery discharged.	Charge battery.
Saw wire vibrates or has too little tension.	Not enough tension.	Tension the saw wire again.
Cutting speed decreases.	Saw wire worn out.	Remove blockage.
Extraction power is insufficient.	Suction nozzle blocked.	Clean the filter element regularly.

If problems other than those listed occur, please contact your ROKAMAT service workshop or your local specialist.